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348365 CARBONATE
74420 CARBONATES
384593 CARBONATE

(CARBONATE OR CARBONATES)

251957 POLYMERIC
31 POLYMERICS
251975 POLYMERIC

(POLYMERIC OR POLYMERICS)

317960 ALCOHOL
194187 ALCOHOLS
473917 ALCOHOL

(ALCOHOL OR ALCOHOLS)

635389 ALC
203389 ALCS
736921 ALC

(ALC OR ALCS)

941718 ALCOHOL

(ALCOHOL OR ALC)

8675 POLYMERIC(L)ALCOHOL

L1 368 CARBONATE AND (POLYMERIC(L)ALCOHOL)

=> S L1 AND (TWO(L)STAGE)

2831860 TWO
54 TWOS
2831900 TWO

(TWO OR TWOS)

490467 STAGE
315931 STAGES
724287 STAGE

(STAGE OR STAGES)

118837 TWO(L)STAGE
L2 2 L1 AND (TWO(L)STAGE)

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L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:620610 CAPLUS
DOCUMENT NUMBER: 139:292805
TITLE: Polymerization of maleic anhydride-modified plant
oils
with polyols
AUTHOR(S): Eren, Tarik; Kuesefoglu, Selim H.; Wool, Richard
CORPORATE SOURCE: Department of Chemistry and Polymer Research Center,
Bogazici University, Istanbul, 80815, Turk.
SOURCE: Journal of Applied Polymer Science (2003), 90(1),
197-202
CODEN: JAPNAB; ISSN: 0021-8995
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB In this study soybean oil triglycerides were reacted with maleic
anhydride
in an ene reaction to introduce more than two maleate residues
per triglycerides. The maleated soybean oil (SCMA) was then polymerized
with
diols to the half-ester stage only. Two different
types of alcs. was used in this work: (1) Short-chain
polyhydroxy linear or cyclic alcs. having 2, 3, 4, or 6 hydroxyl
groups; and (2) long-chain dihydroxy alcs. The aim was to determine
the effect of functionality and chain length by choosing alcs.
with increasing number of hydroxyl groups and different chain lengths.
The
reaction of alcs. with anhydride functionalized soybean oil to
give a polymeric half-ester is a reaction that proceeds without
the formation of byproducts and is different from complete
polyesterification of maleated oils, which are well known. To improve
the
reaction yields, different catalysts and different reaction conditions
were examined. The structural anal. of the products was done with 1H-NMR
and
IR spectroscopy. All of the new polymers obtained were resilient and
soft
rubbers at room temperature. Castor oil polymer mixed with 60% CaCO₃ and
12%
cork powder gave a resilient and nontacky linoleum composition.
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR
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FORMAT

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:512538 CAPLUS
DOCUMENT NUMBER: 117:112538
ORIGINAL REFERENCE NO.: 117:196554,19658a
TITLE: Studies on the preparation and properties of
conductive polymers. VI. Two-stage
method to prepare metallized polymer films
AUTHOR(S): Yen, Chih Chao; Chang, Teh Chou
CORPORATE SOURCE: Dep. Chem. Eng., Chung Yuan Christian Univ., Chungli,
32023, Taiwan
SOURCE: Journal of Applied Polymer Science (1992), 45(11),
2057-60
CODEN: JAPNAB; ISSN: 0021-8995
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Conducting metallized polymer films were prepared via a) treating
poly(vinyl
alc.)-AgNO₃ chelate films with doping agents and b) reduction of treated
films by a NaBH₄ aqueous solns. Good elec. conductivity and long-term film
stability were
obtained for these polymer systems. Crystal structure of the polymers
was
also studied by x-ray diffraction. The preparation of
polyacrylonitrile-AgNO₃
complex films was also studied.

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